

PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/078,252
				Filing Date	February 16, 2002
				First Named Inventor	North, Greg
				Art Unit	2818
				Examiner Name	
				Attorney Docket Number	501143.000024
Sheet	1	of	3		

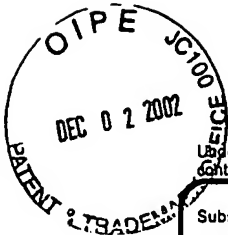
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Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/078,252		
		Filing Date	February 16, 2002		
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		Examiner Name			
Sheet	2	of	3	Attorney Docket Number	501143.000024

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
	C1	MENEZES, A.J., et al "Efficient Implementation" from the Handbook of Applied Cryptography, (Boca Raton, CRS Press, 1997), pp. 691-697. <i>One Copy</i>	
<i>Ch</i>	C2	DIMITROV, V. and COOKLEV, T., "Two Algorithms for Modular Exponentiation Using Nonstandard Arithmetics" IEICE Trans. Fundamentals, Vol. E78-A, No. 1, January 1995.	
<i>Ch</i>	C3	KOC, C.K. and HUNG, C.Y., "Carry-Save Adders for Computing the Product AB Modulo N" Electronics Letters, Vol. 26, No. 13, (June 21, 1990), pp. 899-900	
<i>Ch</i>	C4	FREKING, W. L. and PARHI, K.K., "Montgomery Modular Multiplication and Exponentiation in the Residue Number System" Proc. 33rd Asilomar Conf. Signals Systems and Computer, October 1999, pp. 1312-1316.	
<i>Ch</i>	C5	TENCA, A.F. and KOC, C.K., "A Scalable Architecture for Montgomery Multiplication" in: KOC, C.K. and PAAR, C., Cryptographic Hardware and Embedded Systems, CHES 99, Lecture Notes in Computer Science, No. 1717. 1998, New York, NY: Springer-Verlog, 1999.	
<i>Ch</i>	C6	KOC, C.K. and ACAR, T., "Montgomery Multiplication in GF (2k)" 3rd Annual Workshop on Selected Areas in Cryptography, (August 15-16, 1996), pp. 95-106.	
<i>Ch</i>	C7	BAJARD, J.C., et al "An RNS Montgomery Modular Multiplication Algorithm" IEEE Transactions on Computer, Vol. 47, No. 7, (July 1998), pp. 766-776.	
<i>Ch</i>	C8	ELDRIDGE, S.E., "A Faster Modular Multiplication Algorithm" International Journal of Computer Math, Vol. 40, (1991), pp. 63-68.	
<i>Ch</i>	C9	BOSSALAERS, A., et al "Comparison of Three Modular Reduction Functions" In Douglas R. Stinson, editor, Advances in Cryptology - CRYPTO '93, Vol. 773 of Lecture Notes in Computer Science, (August 22-26, 1993), pp. 166-174.	
<i>Ch</i>	C10	MONTGOMERY, P.L., "Modular Multiplication Without Trial Division" Mathematics of Computation, Vol. 44, No. 170 (April 1985), pp. 519-521.	
<i>Ch</i>	C11	KOC, C.K., et al "Analyzing and Comparing Montgomery Multiplication Algorithms" IEEE Micro, Vol. 16, Issue 3, (June 1996), pp. 26-33.	

Examiner Signature	<i>NJO</i>	Date Considered	<i>12/08/2005</i>
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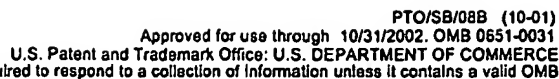
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
Cu	C 12	KORNERUP, P., "High-Radix Modular Multiplication for Cryptosystems" Department of Mathematics and Computer Science, (1993), pp. 277-283.	
Cu	C 13	SUNAR, B. and KOC, C.K., "An Efficient Optimal Normal Basis Type II Multiplier" Brief Contributions, IEEE Transactions on Computers, Vol. 50, No. 1, (January 2001), pp. 83-87.	
Cu	C 14	KOC, C.K., "Comments on 'Residue Arithmetic VLSI Array Architecture for Manipulator Pseudo-Inverse Jacobian Computation' " Communications, IEEE Transactions on Robotics and Automation, Vol. 7, No. 5, (October 1991), pp. 715-716.	
Cu	C 15	SAVAS, E. and KOC, C.K., "The Montgomery Modular Inverse-Revisited" IEEE Transactions on Computers, Vol. 49, No. 7, (July 2000), pp. 763-766.	
Cu	C 16	WALTER, C.D., "Montgomery's Multiplication Technique: How to Make it Smaller and Faster" in Cryptographic Hardware and Embedded Systems - CHAS 1999, C. Paar (Eds.), K. Ko, Ed. 1999, Springer, Berlin Germany, pp.61-72.	
	C 17	OH, H. and MOON, J., "Modular Multiplication Method" IEE Proc.-Comput. Digit. Tech., Vol. 145, No. 4, (July 1998), pp. 317-318 (No Copy)	
Cu	C 18	BLUM, T., "Modular Exponentiation on Reconfigurable Hardware" Master's thesis, ECE Department, Worcester Polytechnic Institute, Submitted to Faculty 1999-04-08, Published May 1999. Retrieved from the Internet <URL: http://www.wpi.edu/pubs/ETD/Available/etd-090399-090413/unrestricted/blum.pdf>.	
Cu	C 19	MARWEDEL, P., et al. "Built in Chaining: Introducing Complex Components into Architectural Synthesis." April 1996. Proceedings of the ASP-DAC, 1997. [online]. Retrieved from the Internet <URL: http://eldorado.uni-dortmund.de:8080/FB4/Is12/forshung/1997/aspdac/aspacPDF>.	
Cu	C 20	TIOUNTSCHIK, A., and TRICHINA, E., "RSA Acceleration with Field Programmable Gate Arrays" Lecture Notes in Computer Science, Vol. 1587, pp.164-176. Retrieved from the Internet: <URL:http://citeseer.nj.nec.com/274658.html>.	

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